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AV70*
LV70*
ANALOGUE
Series

English

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Safety Precautions

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken to obtain the best results and for safety to be assured. Please read the points below for your own safety. They are of a general nature, intended to help with all electronic consumer products and some points may not apply to the goods you have just purchased.

The Class I apparatus shall be connected to a mains socket outlet with a protective earthing connection.

Air Circulation

Leave more than 10cm clearance around the television to allow adequate ventilation. This will prevent overheating and possible damage to the television. Dusty places should also be avoided.

Heat Damage

Damage may occur if the television is left in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity. Place in a location where the temperature remains between 5°C (41°F) min. and 35°C (94°F) max.

Power Supply

The mains supply required for this equipment is 220-240v AC 50/60Hz. Never connect to a DC supply or any other power source. DO ensure that the television is not standing on the mains lead. Use only the supplied lead.

DO NOT cut off the mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance. In the UK, the fuse fitted in this plug is approved by ASTA or BSI to BS1362.

It should only be replaced by a correctly rated and approved type and the fuse cover must be refitted.

IF IN DOUBT PLEASE CONSULT A COMPETENT ELECTRICIAN.

Do

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between pieces of equipment) are properly made and in accordance with the manufacturers' instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels on equipment.

DO NOT REMOVE ANY FIXED COVERS AS THIS WILL EXPOSE DANGEROUS AND 'LIVE' PARTS.
THE MAINS PLUG IS USED AS A DISCONNECTING DEVICE AND THEREFORE SHOULD BE READILY OPERABLE.

Do not

DO NOT obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.

DO NOT allow electrical equipment to be exposed to dripping or splashing or objects filled with liquids, such as vases, to be placed on the equipment.

DO NOT place hot objects or naked flame sources, such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

DO NOT use makeshift stands and NEVER fix legs with wood screws. To ensure complete safety, always fit the manufacturers' approved stand, bracket or legs with the fixings provided according to the instructions.

DO NOT leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off by withdrawing the plug, make sure your family know how to do this. Special arrangements may need to be made for people with disabilities.

DO NOT continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way – switch off, withdraw the mains plug and consult your dealer.

WARNING – excessive sound pressure from earphones or headphones can cause hearing loss.

ABOVE ALL – NEVER let anyone, especially children, push or hit the screen, push anything into holes, slots or any other openings in the case.

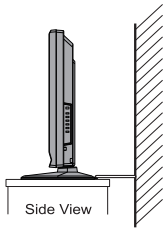
NEVER guess or take chances with electrical equipment of any kind – it is better to be safe than sorry.

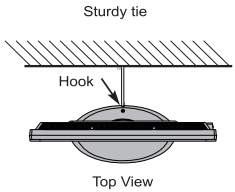
Installation and important information

Where to install

Locate the television away from direct sunlight or other strong lights. Soft, indirect lighting is recommended for comfortable viewing. Use curtains or blinds to prevent direct sunlight falling on the screen. Place the TV set on a stable, level surface that can support the weight of the TV. In order to maintain stability and prevent it from falling over, secure the TV to the level surface using the strap located under the table top stand, or to a wall using a sturdy tie to the clip on the back of the table top stand.

The LCD display panels are manufactured using an extremely high level of precision technology, however sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction. Make sure the television is located in a position where it cannot be pushed or hit by objects, as pressure will break or damage the screen, and that small items cannot be inserted into slots or openings in the case.





Please take note

EXCLUSION CLAUSE

Toshiba shall under no circumstances be liable for loss and/or damage to the product caused by:

i) fire;
ii) earthquake;
iii) accidental damage;
iv) intentional misuse of the product;
v) use of the product in improper conditions;
vi) loss and/or damage caused to the product while in the possession of a third party;
vii) any damage or loss caused as a result of the owner's failure and/or neglect to follow the instructions set out in the owner's manual;
viii) any loss or damage caused directly as a result of misuse or malfunction of the product when used simultaneously with associated equipment;

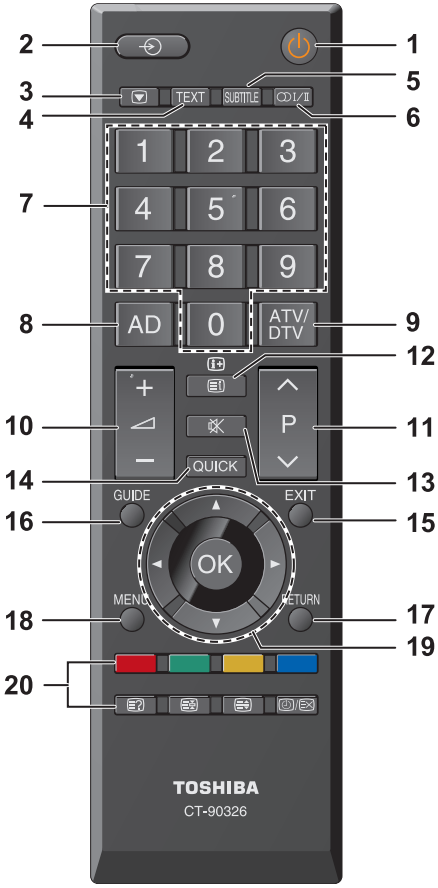
Furthermore, under no circumstances shall Toshiba be liable for any consequential loss and/or damage including but not limited to the following, loss of profit, interruption of business, the loss of recorded data whether caused during normal operation or misuse of the product.

- If stationary images generated by 4:3 broadcasts, text services, channel identification logos, computer displays, video games, on-screen menus, etc. are left on the television-screen for any length of time they could become conspicuous, it is always advisable to reduce both the brightness and contrast settings.
- Very long, continuous use of the 4:3 picture on a 16:9 screen may result in some retention of the image at the 4:3 outlines, this is not a defect of the LCD TV and is not covered under the manufacturers warranty. Regular use of other size modes (e.g.: Superlive) and varying the "side panel" brightness (if available on the model) will prevent permanent retention.

SYMBOL	SYMBOL DEFINITION
	DANGEROUS VOLTAGE: The lightening flash with arrowhead symbol within an equilateral t riangle is intended to alert the user to the presence of un-insulated "DANGEROUS VOLTAGE" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
	INSTRUCTIONS: The exclamation point within on equilateral triangle to alert the user to the presence of important operating and maintenance (servicing) instruction in the literature accompanying the appliance.
	WARNING: To prevent the spread of fire, keep candles or other open flames away from this product at all times.

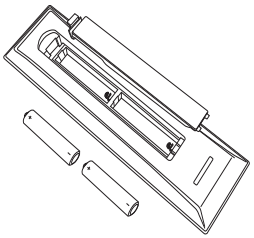
The Remote Control

Simple at-a-glance reference of your remote control.



1 Toggle between TV ON or Standby
2 Toggle between external input sources
3 Still Picture
4 To display the teletext screen
5 TEXT subtitle pages if available
6 Stereo/Bilingual transmissions
7 Number buttons
8 No Function
9 No Function
10 Change the volume
11 Change the channel
12 In TV mode: Display on-screen information
In Text mode: Access the index page
13 Mute the sound
14 Display the quick access menu
15 Exit the menu system
16 No Function
17 Go to the previous level of the menu
18 Display the on-screen menu
19 Menu navigation: ▲, ▼, ◄, ►:
In Text mode: Change the page
OK: Confirm the selection
20 Colour button: Text control buttons
Reveal concealed text
Hold a wanted page
Enlarge text display size
Select a page while viewing a normal picture

Inserting batteries and effective range of the remote



Remove the back cover to reveal the battery compartment and make sure the batteries are inserted the right way round. Suitable battery types for this remote are AAA, 1.5V.

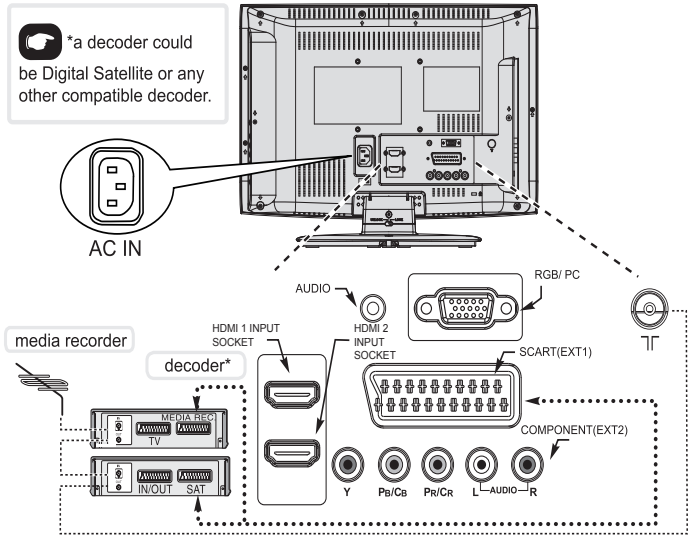
Do not combine a used, old battery with a new one or mix battery types. Remove dead batteries immediately to prevent acid from leaking into the battery compartment. Dispose of them in accordance with instructions on page 34 of this manual. Warning: batteries must not be exposed to excessive heat such as sunlight or fire.

The performance of the remote control will deteriorate beyond a distance of five metres or outside an angle of 30 degrees from the centre of the television. If the operating range becomes reduced the batteries may need replacing.

Connecting External Equipment

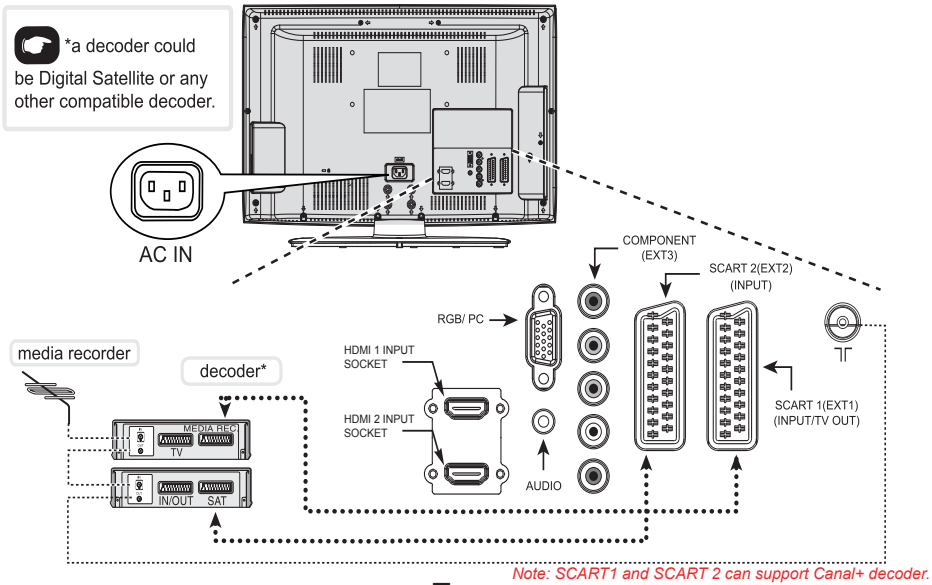
Before connecting any external equipment, turn off all main power switches. If there is no switch remove the mains plug from the wall socket.
Connect the power cord into the AC IN socket found at the back of the TV.

For 19/22AV70**



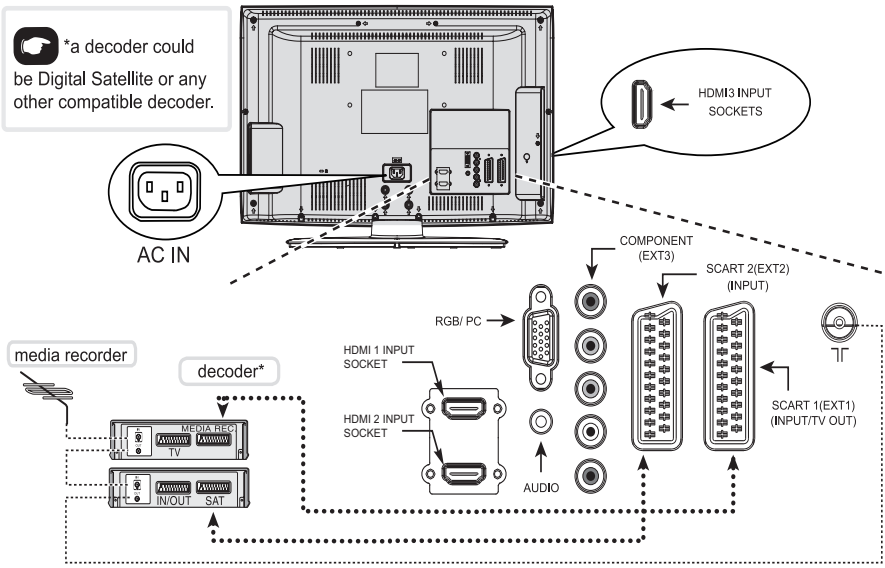
Note: SCART can support Canal+ decoder.

For 26/32AV70**



Note: SCART1 and SCART 2 can support Canal+ decoder.

For 32/40LV70**



Aerial cables: - - - - - - - - - - - - - - - - - -
Connect the aerial to the ANT socket on the rear of the television.

If you use a decoder and/or media recorder, connect through the decoder and/or media recorder to the television.

SCART cables: - - - - - - - - - - - - - - - - - -

Connect the video recorder **IN/OUT** or decoder **TV** socket to the television. Connect the media player **SAT** socket to the decoder **MEDIA REC**. socket.

Before running **Auto Tuning** put your decoder and media recorder to **Standby**.

The phono sockets alongside the COMPONENT VIDEO INPUT sockets will accept L and R audio signals.

The phono sockets alongside the VIDEO INPUT socket will accept L and R audio signals. These sockets are located on the side of the TV. (See the next page.)

HDMI® (High-Definition Multimedia Interface) is for use with a DVD, decoder or electrical equipment with digital audio and video output. It is designed for best performance with 1080i high-definition video signals but will also accept and display 480i, 480p, 576i, 576p, 720p and 1080p. HDMI1 also support VGA, SVGA, XGA, WXGA and SXGA.

***NOTE:** Although this television is able to connect to HDMI equipment it is possible that some equipment may not operate correctly.*

A wide variety of external equipment can be connected to the back of the television, therefore the relevant owners manuals for all additional equipment must be referred to.

If the television automatically switches over to monitor external equipment, return to normal television by pressing the desired programme position button. To recall external equipment, press ⊕ to select.

HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Connecting an HDMI or DVI device to the HDMI input

The HDMI input on your television receives digital audio and uncompressed digital video from an HDMI source device or uncompressed digital video from a DVI (Digital Visual Interface) source device. This input is designed to accept HDCP (High-Bandwidth Digital-Content Protection) programme material in digital form from EIA/CEA-861-D–compliant [1] consumer electronic devices (such as a set-top box or DVD player with HDMI or DVI output). For acceptable video signal formats.

Note:

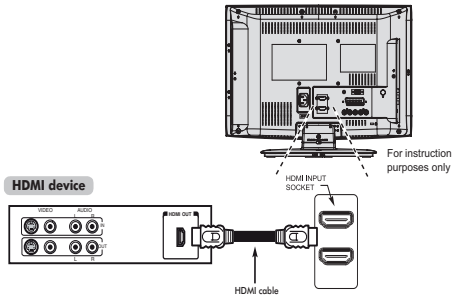
- Some early HDMI equipment may not work properly with your latest HDMI TV, due to the adoption of a new standard.
  Please unplug your HDMI cable first and then try setting the following options (**Lip Sync**) to "**Off**".
  Your early HDMI source should operate properly with your television.
- Supported Audio format: Linear PCM, sampling rate 32/44.1/48kHz.

To connect an HDMI device

Connect an HDMI cable (type A connector) to the HDMI terminal.
For proper operation, it is recommended that you use an HDMI cable with the HDMI Logo (HDMI).

- If your HDMI connection is capable of 1080p and/or your television is capable of refresh rates greater than 50Hz, you will need a Category 2 cable. Conventional HDMI/DVI cable may not work properly with this mode.
- HDMI cable transfers both video and audio. Separate analogue audio cables are not required (see illustration).

The HDMI 3 terminal is located on the side of the television.

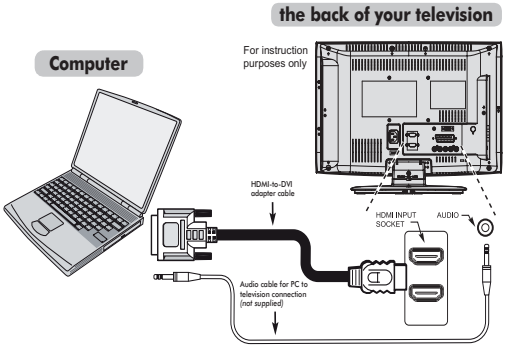


To view the HDMI device video, press the ⊕ button to select HDMI 1, HDMI 2 or HDMI 3 mode.

To connect a DVI device

Connect an HDMI-to-DVI adapter cable (HDMI type A connector) to the HDMI 1 terminal and audio cables to the PC/HDMI1 (AUDIO) socket (see illustration).

- The recommended HDMI-to-DVI adapter cable length is 6.6ft (2m).
- An HDMI-to-DVI adapter cable transfers video only. Separate analogue audio cables are required.



Note:
To ensure that the HDMI or DVI device is reset properly, it is recommended that you follow these procedures:

- When turning on your electronic components, turn on the television first, and then the HDMI or DVI device.
- When turning off your electronic components, turn off the HDMI or DVI device first, and then the television.

[1] EIA/CEA-861-D compliance covers the transmission of uncompressed digital video with high-bandwidth digital content protection, which is being standardized for reception of high-definition video signals. Because this is an evolving technology, it is possible that some devices may not operate properly with the television.

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Acceptable Video signals through HDMI terminals

Format	Resolution	V. Frequency	H. Frequency	Pixel Clock Frequency
480i	720 x 480i	60Hz	15.734KHz	27MHz
480p	720 x 480p	60Hz	31.5KHz	27MHz / 27.027MHz
576i	720 x 576i	50Hz	15.625KHz	27MHz
576p	720 x 576p	50Hz	31.25KHz	54MHz
720p	1280 x 720p	50Hz	37.5KHz	74.25MHz
720p	1280 x 720p	59.94Hz / 60Hz	44.9KHz / 45KHz	74.17MHz / 74.25MHz
1080i	1920 x 1080i	50Hz	28.125KHz	74.25MHz
1080i	1920 x 1080i	59.94Hz / 60Hz	33.72KHz / 33.75KHz	74.17MHz / 74.25MHz
1080p	1920 x 1080p	50Hz	56.25KHz	148.5MHz
1080p	1920 x 1080p	59.94Hz / 60Hz	67.432KHz / 67.5KHz	148.35MHz / 148.5MHz
1080p	1920 x 1080p	24Hz / 25Hz	27KHz / 28.125KHz	74.25MHz / 74.25MHz
1080p	1920 x 1080p	30Hz	33.75KHz	74.25MHz

Acceptable PC signals through HDMI-1/D-SUB terminals

Format	Resolution	V. Frequency	H. Frequency	Pixel Clock Frequency
VGA	640 x 480	59.9Hz	31.469KHz	25.175MHz
VGA	640 x 480	72.8Hz	37.861KHz	31.5MHz
VGA	640 x 480	75Hz	37.5KHz	31.5MHz
VGA	720 x 400	70Hz	31.469KHz	28.322MHz
SVGA	800 x 600	56.2Hz	35.156KHz	36MHz
SVGA	800 x 600	60.3Hz	37.879KHz	40MHz
SVGA	800 x 600	72.1Hz	48.077KHz	50MHz
SVGA	800 x 600	75Hz	46.875KHz	49.5MHz
XGA	1024 x 768	60Hz	48.363KHz	65MHz
XGA	1024 x 768	70Hz	56.476KHz	75MHz
XGA	1024 x 768	75Hz	60.023KHz	78.75MHz
WXGA	1280 x 720	59.8Hz	44.772KHz	74.25MHz
WXGA	1280 x 768	59.8Hz	44.776KHz	79.5MHz
WXGA	1360 x 768	60Hz	47.712KHz	85.5MHz
SXGA	1280x1024	60Hz	63.981KHz	108MHz
SXGA	1280x1024	75Hz	79.976KHz	135MHz

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Note 1 : *HDMI 1 terminal supports PC signal input; HDMI 2 and 3 do not support PC signal.*

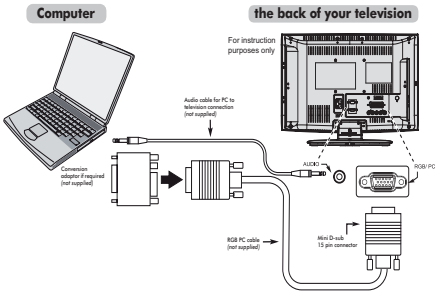
Note 2 : *For PC input, for only supported PC signal can show the correct resolution on TV display.*

Connecting a Computer

With either an RGB/PC or an HDMI connection, you can watch your computer's display on the television and hear the sound from the televisions speakers.

To connect a PC to the RGB/PC terminal

When connecting a PC to the RGB/PC terminal on the television, use an analogue RGB (15-pin) computer cable and a PC audio cable for the PC/HDMI1 (AUDIO) socket. Select **PC** from the **PC/HDMI 1 Audio** options in the **AV Connection** menu located in the **SETUP** menu.


Computer
the back of your television
For instruction purposes only
Audio cable for PC to television connection (not supplied)
Conversion adaptor if required (not supplied)
AUDIO
RGB/ PC
RGB PC cable (not supplied)
Mini D-sub 15 pin connector

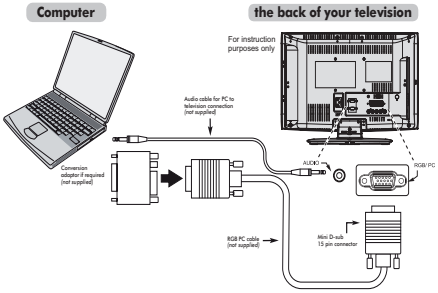
To use a PC, set the monitor output resolution on the PC before connecting it to the television. For acceptable PC signal formats, see page 10.
To display the optimum picture, use the PC setting feature (see page 29).

Note:

- The PC audio input terminal on the television is shared with the HDMI 1 analogue audio input terminal.
- Some PC models cannot be connected to this television.
- An adapter is not needed for computers with a compatible mini D-sub 15-pin terminal.
- Depending on the DVD's title and the specifications of the PC on which you are playing the DVD-Video, some scenes may be skipped or you may not be able to pause during multiangle scenes.
- A band may appear at the edges of the screen or parts of the picture may be obscured. This is due to scaling of the picture by the set, it is not a malfunction.
- When PC input mode is selected, some of the television's features will be unavailable e.g. **Manual Settings** in the **SETUP** menu, **Colour**, **Tint**, **Sharpness** and **Black/White Level** in the **PICTURE** menu.
- If connecting a certain PC model with a unique PC signal, the PC signal may not be detected correctly.

To connect a PC to the HDMI terminal

When connecting a PC to the HDMI terminal on the television, use an HDMI-to-DVI adapter cable and an analogue audio cable.
If connecting a PC with an HDMI terminal, use an HDMI cable (type A connector). A separate analogue cable is not necessary (see page 9).


Computer
the back of your television
For instruction purposes only
Audio cable for PC to television connection (not supplied)
Conversion adaptor if required (not supplied)
AUDIO
RGB/ PC
RGB PC cable (not supplied)
Mini D-sub 15 pin connector

For acceptable PC and video signal formats, see page 10.

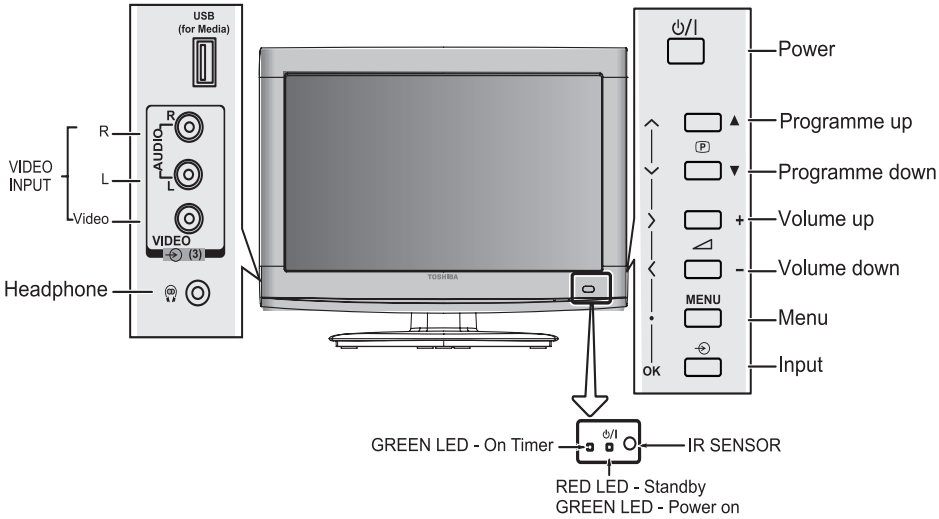
Note:

- The edges of the images may be hidden.
- If connecting a certain PC model with a unique PC signal, the PC signal may not be detected correctly.

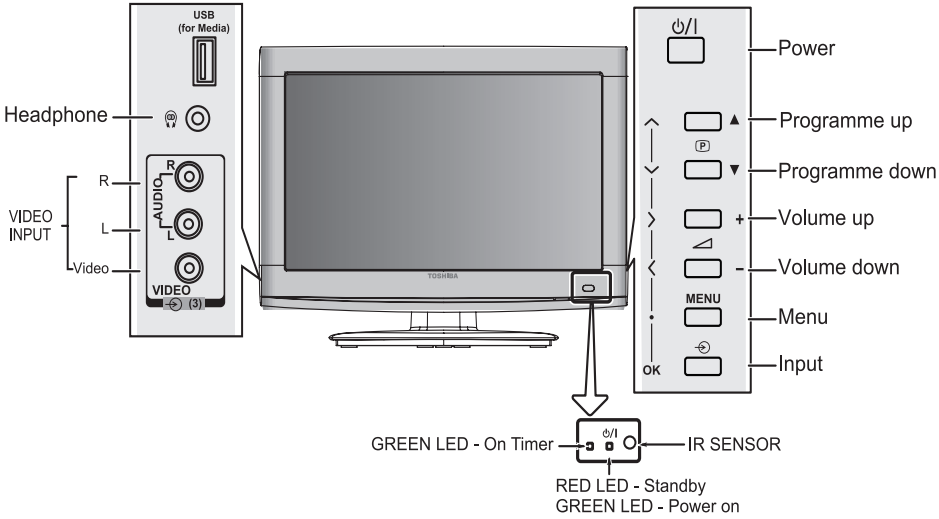
Using the Controls

While all the necessary adjustments and controls for the television are made using the remote control, the buttons on the television may be used for some functions.

For 19/22AV70**

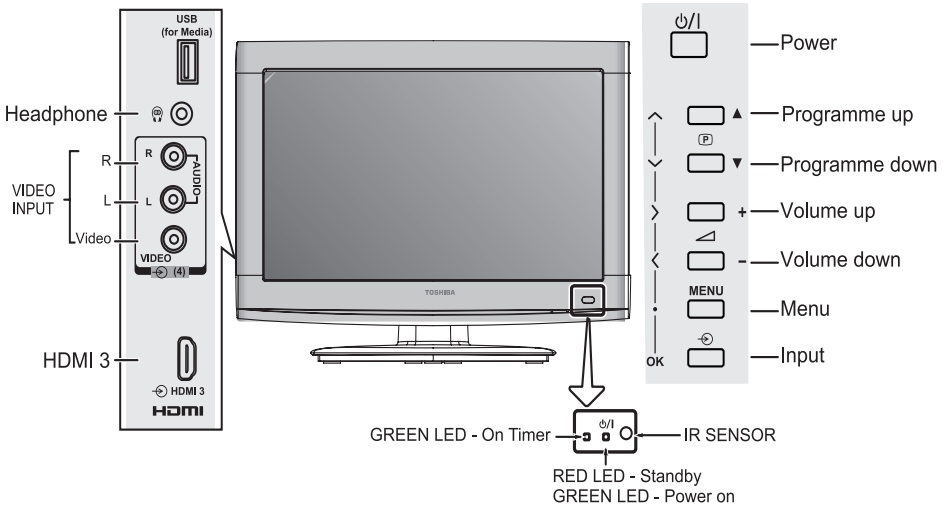


For 26/32AV70**



*Note: 19/22/26/32AV70** series does not have HDMI 3 Input.*

For 32/40LV70**



Switching On

If the RED LED is unlit check that the plug is connected to the power supply. If the picture does not appear press ⏻ on the remote control, it may take a few moments.

To put the television into Standby press ⏻ on the remote control. To view the television press ⏻ again. The picture may take a few seconds to appear.

Using the Remote Control

To set up the television you will now need to use the on screen menus. Press **MENU** on the remote control to see the menus.

The on-screen menu appears as a list of five topics. As each symbol is selected by pressing ◄ or ► on the navigation ring on the remote control, its respective options will appear below.

To use the options, press ▲ or ▼ on the navigation ring to move up and down through them and use **OK**, ◄ or ► to select the required choice. Follow the on-screen instructions. The functions of each menu are described in detail throughout the manual.

Using the Controls

To change the volume press - ◿+.

To change the channel press ^ **P** v.

Press **MENU** and ▲ or ▼, ◄ or ► to control the sound and picture options.

Press **EXIT** to finish.

To select an external input, press ⏎ and then use ⏎ ▲ or ▼ to move through the list until the appropriate input source is selected.

Please always refer to the owner's manual of the equipment to be connected for full details.

Please note: Inserting the headphone plug will mute the sound from all speakers.

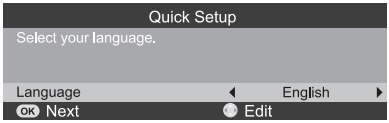
Startup Application

Before switching on the television put your decoder and media recorder to **Standby** if they are connected.
To set up the television use the buttons on the remote control as detailed on page 6.

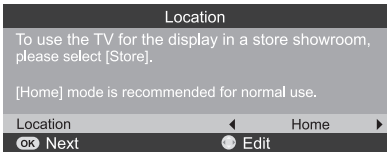
Quick Setup

1. For 1st use, plug in the television and press the ⏻ button. The **Quick Setup** screen will appear.

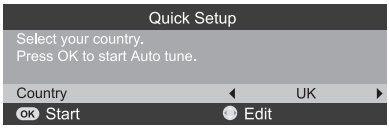
2. Press ◄ or ► select your language, and then press **OK**, the **Location** screen will appear.



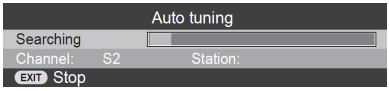
3. Press ◄ or ► select **Home** or **Store**. For normal home use, select **Home**.



4. Press ◄ or ► to select your country and press **OK**.



5. To start Auto tuning press **OK**.



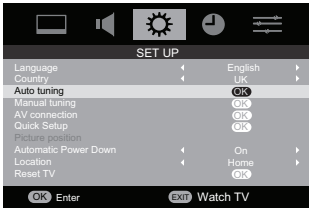
The search will begin for all available stations. The slide bar will move along the line as the search progresses.
You must allow the television to complete the search.
When the search is complete the television will automatically select programme position 1. This may not be a clear picture or the signal may be weak, so the station order can be changed using **Manual tuning in SET UP** menu. See page

Auto Tuning

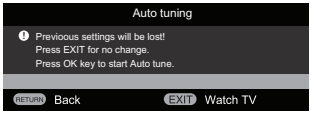
Note:
As new services are broadcast, it will be necessary to re-tune the television in order to view them.

Auto Tuning will completely re-tune the television and can be used to up date the channel list. It is recommended that **Auto Tuning is run periodically to ensure that all new services are added**. All current channels and settings, e.g. locked channels, will be lost.

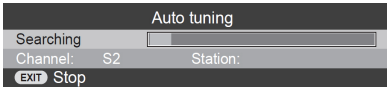
1. From the **SET UP** menu, press ▲ or ▼ to select **Auto tuning**.



2. Press Ⓞ to display the **Auto tuning** menu.


Auto tuning
Previous settings will be lost!
Press EXIT for no change.
Press OK key to start Auto tune.
RETURN Back
EXIT Watch TV

3. Press Ⓞ to start the automatic search.
The search will begin for all available stations.



4. When the automatic search is completed, the TV will automatically appear the **SET UP** menu.

5. Closing the **Auto tuning** menu, press **EXIT**.

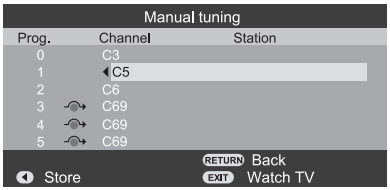
Note:

When you preset the channel which sound of broadcast transmission system adopts “M” system, the sound system may not be tuned correctly if the radio waves transmit badly. At that time, preset the channel by **Manual tuning**.

Manual Tuning

1 From the **SET UP** menu, press ▲ or ▼ to select **Manual tuning**.

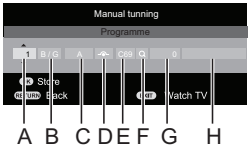
2 Press OK to display the **Manual tuning** menu. Press ▶ than press ▲ or ▼ to select the programme position you want to arrange and press ◀ again.



3 Press ▲ or ▼ to move through the list to your preferred position. As you do so the other stations will move to make room.

Press ◀ to store programme position.

4 Press OK to display the breakdown menu. Press ◀ or ▶ to select an item, then press ▲ or ▼ to select the item as shown below.



A **Programme:**
The number to be pressed on the remote control.

B **System:**
Specific to certain areas.

C **Colour system:**
Factory set to Auto, should only be changed if problems are experienced, i.e. NTSC input from external source.

D **Programme skip:**
Means nothing has been stored or the facility to skip the channel is ON.

E **Channel:**
The channel number on which a station is being broadcast.

F **Search:**
Search up and down for a signal.

G **Manual fine tuning:**
Turn on to execute fine tune function. Turn off to execute manual fine tune funftion.

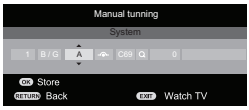
H **Station:**
Station identification. Use the ▲ or ▼ and ◀ or ▶ buttons to enter up to seven characters.

5 Use ▲ or ▼ to highlight the desired position. We suggest **Pos. 0** for a media recorder.

Note:
Different Channel numbers may be displayed.

6 Press OK to select. If the channel chosen for the media recorder is set to skip, Skip should be removed before storing.

7 Press ▶ to select **System** and use ▲ or ▼ to change if required.



8 Then press ▶ to select **Search**.

9 Press ▲ or ▼ to begin the search. The search symbol will flash.

10 Each signal will be shown on the television, if it is not your media recorder, press ▲ or ▼ again to restart the search.

11 When your media recorder signal is found, press ▶ to move along to **Station**. With ▲, ▼, ◀ and ▶ put in the required characters, e.g. **VCR**.

12 Press OK to save.

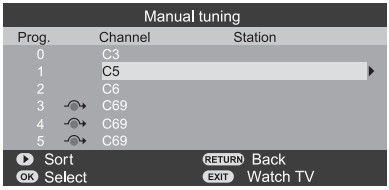
13 Repeat for each position you want to tune or, press **MENU** to return to the list of channels and select the next number to tune.

14 Press **EXIT** when you have finished.

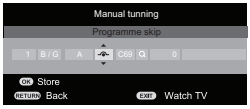
Skip

To prevent certain channels from being viewed, positions can be skipped.

1. From the **SET UP** menu, press ▲ or ▼ to select **Manual tuning**.
2. Use ▲ or ▼ to highlight the position to be skipped and press OK to select.



3. Press ► to select **Programme skip** and use ▲ or ▼ to turn **Skip** on, and then press OK.



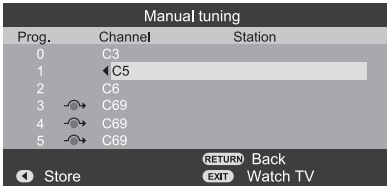
4. Press **RETURN** and repeat from Step 2 or press **EXIT**.
Each position has to be individually selected.
To turn **Skip** off, repeat the procedure for each position.
Skipped positions ***cannot*** be selected by **P** ∧ and **P** ∨. or by the controls on the television, but ***can*** still be accessed by the number buttons on the remote control.

Sorting positions

- The TV is capable of receiving a number of different channels depending upon where you live.
- Sorting programme position is an easy way of storing each channel on the programme position of your choice.

Ex.: To swap channel ABCD (Prog. 1) for channel MNOP (Prog. 2).

1. From the **SET UP** menu, press ▲ or ▼ to select **Manual tuning** menu, and then press OK.
2. From the **SET UP** menu, press ▲ or ▼ to select **Manual tuning** menu, and then press OK.
3. Press OK to display the **Manual tuning** menu. Press ► than press ▲ or ▼ to select the programme position you want to arrange.



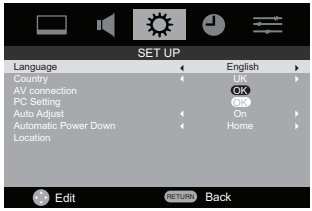
4. Press ▼ to select the new position **"2"**, then press ◄.
5. Press ▲ to select the channel **MNOP**, then press ►.
6. Press ▲ to select the new position **"1"** then press ◄.
7. Confirm new **Manual tuning** menu.

Watching TV Programmes

Selecting the menu language

Choose from 22 different languages (English, French, German, Spanish, Italian, Dutch, Portuguese, Swedish, Danish, Norwegian, Finnish, Polish, Turkish, Hungarian, Slovak, Czech, Russian, Romanian, Bulgarian, Serbian, Greek, Croatian) for the On-Screen Display.

1. Press **MENU**, then press ◄ or ► to display the **SET UP** menu.



2. Press ▲ or ▼ to select **Language**.
3. Press ◄ or ► to select the desired language.

Changing the Position

1. Enter the desired position number using the Number buttons on the remote control. For positions below 10, use 0 and the requires number e.g., for position 1.

2. You can also change the position by using **P** ∧ or **P** ∨.
The position will be displayed on the screen with the Mono/Stereo/Dual audio status.

Note:

Changing positions between different format channels will takes several seconds.

Displaying the On-screen Information

1. Press i+ to display the following on-screen information.

The information will disappear in about 5 seconds.

- Position or external input mode selected
- Position skip on/off information
- Label (if set)
- Mono/Stereo/Dual audio status

2. To erase the display instantly, press **EXIT**.

General Controls

The General Controls will allow you to select channels and information, use the sound controls, personalise the picture style, and select external equipment.

Selecting Channels

To select a channel use the numbered buttons on the remote control.
Channels can also be selected using **P** ∧ and **P** ∨.

To display on-screen information such as position, input mode or stereo/mono signal, press i+. Press again to cancel.

The Time Display – analogue only

The time display facility allows the current (text service) time to be seen on the television screen.

Press ⏲/✉ whilst watching a normal television broadcast to see the time display from the broadcaster. It will remain on screen for about 15 seconds.

Note:

This display may not be available in some cases.

Stereo and Bilingual Transmissions

If stereo or dual language broadcasts are transmitted the word Stereo or Dual will appear on the screen each time channels are changed, disappearing after a few seconds. If the broadcast is not in stereo the word Mono will appear.

Stereo: Press ◌Ⅰ/Ⅱ to select **Stereo** or **Mono**.

Bilingual: If a bilingual programme is offered, the word **Dual** will display on screen. To change between languages, press ◌Ⅰ/Ⅱ to switch between **Dual 1**, **Dual 2** or **Mono**.

Subtitles

If Subtitles are available for your current programme, pressing the **SUBTITLE** button will toggle Subtitles on or off.

Using the Quick Access (Except PC)

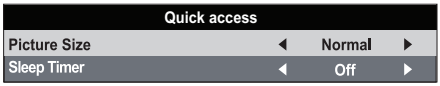
The quick access menu helps you access some options quickly such as **Picture Mode**, **Picture Size**, and **Sleep Timer**. Press the **QUICK** button to display the **Quick access** menu and use ▲ or ▼ to select the option you would like to change.

Source	Quick access item	Description
Except PC	Picture Mode	See age 22
	Picture Size	See age 20
	Sleep Timer	See age 27

Using the Quick Access (PC Only)

Quick access helps you access some options quickly, such as **Picture Size** and **Sleep Timer**.

Press **QUICK** to display the **Quick access** and use ▲ or ▼ to select the option.



Source	Quick access item	Description
Except PC	Picture Size	See age 20
	Sleep Timer	See age 27

Sound Controls

Volume controls and mute sound

Volume

Press ◁ or ▷ to adjust the volume.

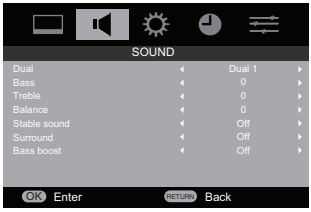
Sound Mute

Press 🔇 once to turn the sound off and again to cancel.

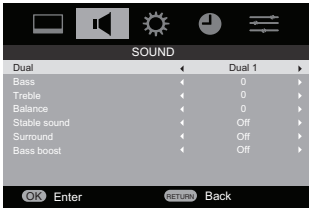
Dual

If a programme or film is being broadcast with a soundtrack in more than one language, the **DUAL** feature allows selection between them.

1. Press **MENU** and ◄ or ► to select **SOUND**.



2. Use ▼ to highlight **Dual**, and then press ◄ or ► to choose between **Dual 1** or **Dual 2**.



Bass, Treble and Balance

The sound controls are accessible in digital and analogue modes.

1. Press **MENU** and ◄ or ► to select **SOUND**.

2. Press ▼ to highlight **Bass**, **Treble** or **Balance** and ◄ or ► to change the setting.

Stable Sound®

The **Stable Sound** feature limits high volume levels in order to prevent the extreme changes in volume that can occur when channels are changed or a programme switches to a commercial.

1. Press **MENU** and ◄ or ► to select **SOUND**.

2. Press ▼ to highlight **Stable Sound** and ◄ or ► to select **On** or **Off**.

Surround

Bass boost enhances depth of the sound.

1. Press **MENU** and ◄ or ► to select **SOUND**.

2. Press ▼ to highlight **Bass boost** and ◄ or ► to select **On** or **Off**.

Bass Boost

Surround enhances depth of the sound.

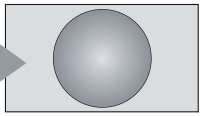
1. Press **MENU** and ◄ or ► to select **SOUND**.

2. Press ▼ to highlight **Surround** and ◄ or ► to select **On** or **Off**.

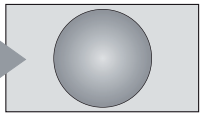
Widescreen viewing

Depending on the type of broadcast being transmitted, programmes can be viewed in a number of formats.

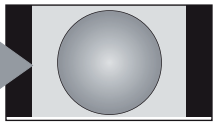
Native — When using a PC connected via HDMI this setting will show the picture without over scan, i.e. WYSIWYG. This option is only available when watching video signal source via HDMI.



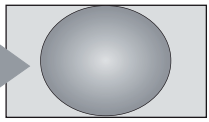
Wide — Use this setting when watching a widescreen DVD, widescreen video tape or a 16:9 broadcast (when available). Due to the range of widescreen formats (16:9, 14:9, 20:9 etc.) black bars may be visible on the top and bottom of the screen.



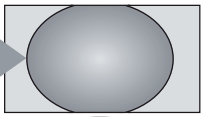
4:3 — Use this setting to view a true 4:3 broadcast.



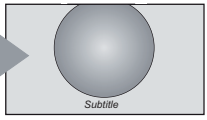
Super Live — This setting will enlarge a 4:3 image to fit the screen by stretching the image horizontally and vertically, holding better proportions at the centre of the image. Some distortion may occur.



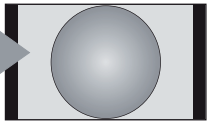
Cinema — When watching letterbox format films/ video tapes, this setting will eliminate or reduce the black bars at the top and bottom of the screen by zooming in and selecting the image without distortion.



Subtitle — When subtitles are included on a letterbox format broadcast, this setting will raise the picture to ensure that all the text is displayed.



14:9 — Use this setting when watching a 14:9 broadcast.



Press **QUICK** to display the **QUICK access** menu. Use ▲ or ▼ to highlight the **Picture Size**, and press ◄ or ► to select the option.

Quick access		
Picture Mode	◄	Standard ►
Picture Size	◄	Wide ►
Sleep Timer	◄	Off ►

You can choose the picture size from Native, Wide, 4:3, Super Live, Cinema, Subtitle or 14:9.

Using the special functions to change the size of the displayed image (i.e. changing the height/width ratio) for the purposes of public display or commercial gain may infringe on copyright laws.

Available Picture Size and Position Control

Screen Mode	Size	RF ATV/ Video /S-video / Compornent / HDMI/ PAL/ SECAM/ 576i/ 576P	RF ATV/ Video /S-video / Compornent/ HDMI)/ NTSC3.58/ NTSC4.43/ PAL60/ 480i/ 480P	HDMI/ 1440x576p	HDMI/ 1440x480p	Component/ HDMI/ 720p	Component/ HDMI/ 1080i
Native (*only available for HDMI input)	H	—	—	—	—	—	—
	V	—	—	—	—	—	—
Wide	H	Yes	Yes	Yes	Yes	Yes	Yes
	V	—	—	—	—	—	—
4:3	H	Yes	Yes	Yes	Yes	Yes	Yes
	V	—	—	—	—	—	—
Super Live (Panoramic scaled.)	H	Yes	Yes	Yes	Yes	Yes	Yes
	V	Yes	Yes	Yes	Yes	Yes	Yes
Cinema	H	Yes	Yes	Yes	Yes	Yes	Yes
	V	Yes	Yes	Yes	Yes	Yes	Yes
Subtitle	H	Yes	Yes	Yes	Yes		
	V	Yes	Yes	Yes	Yes		
14:9	H	Yes	Yes	Yes	Yes		
	V	Yes	Yes	Yes	Yes		

Pic size		PC/HDMI PC format
Wide (*Not available when receive WXGA:1360x768@60Hz source.)	H	—
	V	—
Normal	H	—
	V	—

Note:
Above "— mark" means No function.

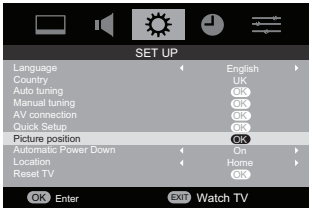
Picture Controls

Most of the picture controls and functions are available in both **digital** and **analogue** modes.
Note: features not available will be greyed out.

Picture Position

1. Press **MENU** and ◄ or ► to display the **SET UP** menu.

   Press ▲ or ▼ to select **Picture position**.



   Press OK to view the options available for the picture format that has been selected.

2. Press ▲ or ▼ to select an option, then ◄ or ► to adjust the settings.

   The options differ depending on the currently selected widescreen format and the input signal.

   To return to the original factory settings select **Reset** in the **Picture Position** menu and press OK.

Picture Mode (Except PC)

This TV offers the choice of personalising the picture style.

User, **Dynamic**, **Standard**, **Mild**, **Movie**, and **Game** are preset options and affect may features/settings within the TV.

1. Press **QUICK** on the remote and ▲ or ▼ to select **Picture Mode**.

2. Press ◄ or ► to select the picture mode you prefer and press **EXIT**.

Note: The picture mode you select affects the current input.

Picture Preferences

You can customise current picture mode settings while selecting **User**.

1. From the **PICTURE** menu select **Picture settings** and press OK.

2. Press ▲ or ▼ to select either **Backlight**, **Contrast**, **Brightness**, **Colour**, **Tint**, **Sharpness**, **Black/White Level**, **Cinema mode**, or **Colour Temperature**.

3. Press ◄ or ► to adjust the settings.

Reset

This feature resets all picture settings to the factory settings.

Note: If any picture settings have not been changed, **Reset** is not available.

1. In the PICTURE menu press b to select **Reset** and press OK.

3D Colour Management

When **3D Colour management** is set to **On** it allows the ”Base colour adjustment” feature to become available.
You can adjust the picture colour quality by selecting from 6 base colour adjustments : **Red, Green, Blue, Yellow, Magenta** or **Cyan**.

1. From the **PICTURE** menu select **Picture settings** and press OK.

2. From the **Picture Settings** menu, press ▲ or ▼ to select **Cinema mode**.

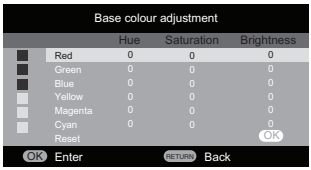
3. Press ◄ or ► to select **On** or **Off**.

Note:
When a DVD movie with subtitle is playing back, this mode may not work correctly.

Base Colour Adjustment

The **Base Colour adjustment** feature allows the adjustment of individual colours to suit personal preference. This can be useful when using an external source. It only can be adjusted when **3D Colour Management** is set to **On**.

1. From the **PICTURE** menu select **Base Colour adjustment** and press OK.
2. Press OK, then press ▲ or ▼ to select an item you want to adjust.



3. Press ►, and then press ◄ or ► to select **Hue, Saturation** or **Brightness**.

4. Press ▲ or ▼ to adjust the settings as required.

Note:

In the PC Input mode, this function is not available.

Colour Temperature

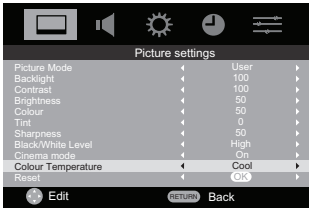
Colour Temperature increases the 'warmth' or "coolness" of a picture by increasing the red or blue tint.

1. In the **PICTURE** menu press ► to select **Picture Settings** and press OK.

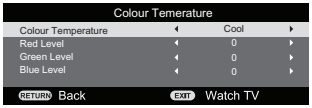
   The **Picture Settings** menu displays.

2. Press ▲ or ▼ to select **Color Temperature** and then press ◄ or ►.

   The **Color Temperature** menu displays.



3. Press ◄ or ► to select the **Color Temperature** setting (Medium, Warm, Cool).



4. Press ▲ or ▼ to select the option you want to adjust, and then press ◄ or ► to adjust the settings.

   Press **RETUREN** to return to the previous menu.

5. To return the **Colour Temperature** settings to the factory defaults, select **Reset** and press OK.

Active Backlight Control

When Active backlight control is activated it will automatically optimise the backlighting levels for dark scenes.

1. In the **PICTURE** menu press ► to select **Active Backlight Control**.
2. Press ◄ or ► to select **On** or **Off**.

Black/White Level

This function increases the strength of dark areas of the picture, which improves picture definition.

1. In the **PICTURE** menu press ► to select **Picture Settings** and press OK.

   The **Picture Settings** menu displays.

2. Press ▲ or ▼ to select **Black/White Level** and then press ◄ or ►.
3. Press ◄ or ► to adjust the level. The effect depends on the broadcast and is most noticeable on dark colours.

Digital Noise Reduction

DNR (Digital Noise Reduction) enables you to "soften" the screen representation of a weak signal to reduce the noise effect.

1. From the **PICTURE** menu, press ▲ or ▼ to select **DNR**.
2. Press ◄ or ► to select **Auto**, **Off, Low, Middle** or **High**.

Note:
This function is not available for PC input.

MPEG NR – Noise Reduction

When watching a DVD, the compression may cause some words or picture elements to become distorted or pixelated.
Using the **MPEG NR** feature reduces this effect by smoothing out the edges.

1. In the **PICTURE** menu press ► to select **MPEG NR** and press OK.
2. Press ◄ or ► to select **Off, Low, Middle** or **High**.

Cinema Mode

A movie film's picture runs at 24 frames a second, whereas movie software such as DVD, etc., that you enjoy watching on television at home runs at 30 (NTSC) or 25 (PAL) frames a second. To convert this signal to reproduce a smooth motion and picture quality, select the **Cinema mode**.

1. From the **PICTURE** menu select **Picture settings** and press OK.
2. Press ▲ or ▼ to select **Cinema mode**
3. Press ◄ or ► to select **On** or **Off**.

Reset Picture Settings

This feature allows you to reset the current **Picture Settings** to the default values.

1. In the **PICTURE** menu press ► to select **Picture Settings** and press OK.
2. Press ▲ or ▼ to select **Reset**.
3. Press OK.

Auto Format (Widescreen)

When this television receives a true Widescreen picture and Auto format is On, it will automatically be displayed in Widescreen format, irrespective of the television's previous setting.

1. Press **MENU**, and then press ◄ or ► to display the **FUNCTION** menu.
2. Press ▲ or ▼ to select **Auto format and** ◄ or ► to select **On** or **Off**.

4:3 Stretch

When **4:3 stretch** is activated, this function will switch 4:3 format programmes into a full screen picture.

1. From the **FUNCTION** menu, press ▲ or ▼ to select **4:3 stretch**.
2. Press ◄ or ► to select **On** or **Off**.

Note:
In HDMI signal format, this function is available.

Blue Screen

When **Blue screen** is selected the screen will turn blue and the sound will be muted when no signal is received.

1. From the **FUNCTION** menu, press ▲ or ▼ to select **Blue screen**.
2. Press ◄ or ► to select **On** or **Off**.

Note:
In the PC input mode, teletext mode, this function is not available.

Side Panel

The **Side panel** feature lightens or darkens the band each side of the screen when in 4:3 or 14:9 format. This helps prevent image retention of the band and can also make viewing in bright or dark conditions more comfortable.

1. From the **FUNCTION** menu, press ▲ or ▼ to select **Side panel**.
2. Press ◄ or ► to adjust the settings as required.

Picture still

Press ▼ to freeze the picture.
Even if an image is frozen on the TV screen, the pictures are running on the input source. Audio continues to be output as well.
To return to a moving picture, press ▼ again.

Note:
If you use this function except for the purpose of your private viewing and listening, it may infringe the copyright protected by the copyright laws.

Enjoying Photo through USB Port

The Photo Viewer allows you to playback JPEG files from a USB storage device.

Photo Viewer specifications

Data type: JPEG Exif ver2.2
File format: DCF ver1.1
Maximum number of files: 2048 files
Maximum photo resolution: 8196 x 8196 pixels

PLEASE NOTE

- **Gently insert the USB device into the port and do not remove while viewing Media Player.**
- **USB device: USB Mass Storage Class device (MSC)**
- **Connectivity is not guaranteed for all devices.**
- **Connect the USB device to the TV directly.**
- **Do not use a USB hub.**
- **You must obtain any required permission from copyright owners to use copyright content. Toshiba cannot and does not grant such permission.**

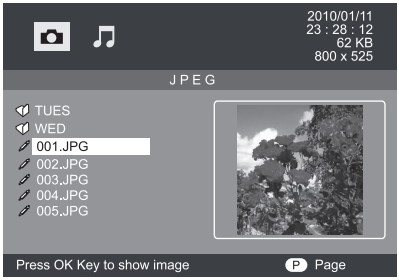
Opening Photo Viewer

To open Photo Viewer:

1. Press ⊕ to **MEDIA**.
2. Gently insert a supported USB storage device to the USB port on the side of the TV. The Photo Viewer will open.
   Note: If inserting and removing the USB connector frequently, the Photo Viewer may not appear.

Viewing Photo Files

To View Photos



1. Press ◄ or ► to select 📷 to view photos.
2. Press ▲ or ▼ to select the file name of the photo you want to view.
   When you select a folder name, press **OK** to move to the next hierarchy.
   To move back to the previous hierarchy, press ▲ or ▼ key to highlight the folder and press **OK**.
3. Press **OK** to view the selected photo.

- To view the previous or next photo, press ▲ or ▼.
- To rotate the photo, press ◄ or ►.

Press i+ to display file status information (content number, photo title, shooting date and time, resolution etc.). The information will be removed by time-out (about 15 sec) or pressing i+ again.

Slideshow

This view allows you to watch the slide show of the photos. In this view mode, the only contents it locates on the same directory shall be played.
To start Slideshow, press **OK** when viewing a photo. Slideshow stops at the last photo in the directory.
Press i+ to display file status information. The information will be removed by time-out (about 15 sec) or pressing i+ again.

To set Interval time and Repeat settings for Slideshow

1. Press **QUICK** to open the **Quick access** when viewing a photo.

2. Press ▼ or ▲to select either **Interval Time** or **Repeat**.
3. Press ◄ or ► to adjust the setting and press **OK**.

Note: If Repeat is On, Slideshow starts photo viewing from the first photo in the folder after reaching the final photo.

Enjoying Music through USB Port

The MP3 Player allows you to playback MP3 files from a USB storage device.

Music Player specifications

File format: MP3
Sampling frequency: 32kHz ~ 48kHz (MPEG Layer1/2); 8kHz ~ 48kHz (MPEG Layer3)
Bit rate: 32kbps ~ 448kbps (MPEG Layer1/2); 8kbps ~ 320kbps (MPEG Layer3)

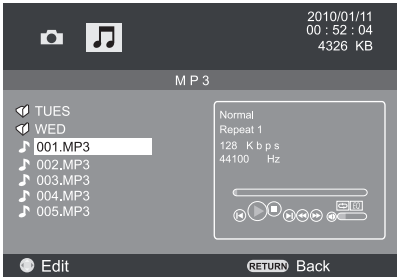
Opening Music Player

To open Music Player:

1. Press ⊕ to **MEDIA**.
2. Gently insert a supported USB storage device to the USB port on the side of the TV. The Music Player will open.
   Note: If inserting and removing the USB connector frequently, the Music Player may not appear.

Playing Music Files

To Play Music



1. Press ◄ or ► to select ♫ to play music.
2. Press ▼ or ▲ to select the file name of the MP3 you want to play.
   When you select a folder name, press **OK** to move to the next hierarchy.
   To move back to the previous hierarchy, press ▲ or ▼ key to highlight the folder and press **OK**.
3. Press **OK** to play the selected MP3.

- To select the previous or next MP3, press ▼ or ▲.
- Press ◄ or ► to:
  - ⏮: go to the previous MP3
  - ▶/⏸: play or pause the selected MP3
  - ■: stop play
  - ⏭: go to the next MP3
  - ⏪: rewind the selected MP3
  - ⏩: fast forward the selected MP3
  - 🔁: select the desired repeat interval:
    - No Repeat
    - Repeat 1: repeat the selected MP3 once
    - Repeat Dir: repeat all MP3 files in the selected folder
  - EQ: select the desired equalizer setting:
    - Normal
    - Class
    - Rock
    - Pop
    - Jazz

  and press **OK** to confirm the setting.

Media USB Port

The USB Photo Viewer allows you to view media files from a USB storage device (not all devices supported).
Open files automatically or manually and view them directly on the screen.
Supported file formats include: JPEG (Max. 8192 x 8192 pixels, Min. 96 x 96 pixels, YUV Data); MP3.
Maximum number of files: 2048
Music Player specifications
File format: MP3
Sampling frequency: 32kHz ~ 48kHz (MPEG Layer1/2); 8kHz ~ 48kHz (MPEG Layer3)
Bit rate: 32kbps ~ 448kbps (MPEG Layer1/2); 8kbps ~ 320kbps (MPEG Layer3)
Does not support TV out when input at Media.

Other features

Panel Lock

Panel lock disables the buttons on the television. All buttons on the remote control can still be used.

1. From the **FUNCTION** menu, press ▲ or ▼ to select **Panel lock**.
2. Press ◄ or ► to select **On** or **Off**.

When **Panel lock** is **On**, a reminder will appear when the buttons on the television are pressed. **If the standby button is pressed the television will switch off and can only be brought out of standby by using the remote control**.

Sleep Timer

The television can be set to turn itself **Off** after a certain length of time.

1. Press **MENU**, and then press ◄ or ► to display the **TIMER** menu.

2. Press ▲ or ▼ to select **Sleep Timer** (Turn off the TV).
3. The timer display will set by off, 15, 30, 45, 60, 90, or 120 minutes.

On Timer

This feature allows you to set the television to turn on automatically to a preset channel at a certain time of day or after a certain length of time. When **On timer** is set to **On**, the green On Timer indicator on the front of the television is lit.

1. Press **MENU**, and then press ◄ or ► to display the **TIMER** menu.
2. Press ▲ or ▼ to select **Sleep timer** (Turn off the TV).
3. Press ◄ or ► to modify the time the TV should turn on, or use the number keys to enter the time.

Note:

The TV will automatically turn itself off after approximately 15 min if tuner is no signal.

On Timer Position

Use the **On timer position** if you want the TV to turn itself on in a selected channel.

1. Press **MENU**, and then press ◄ or ► to display the **TIMER** menu.
2. Press ▲ or ▼ to select **On timer position**.
3. Press ◄ or ► to select the channel the TV should turn on in.

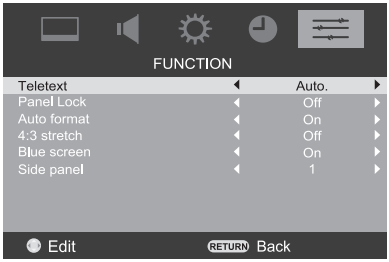
Text Services and Text Information

This television has a multi-page text memory, which takes a few moments to load. It offers two Modes of viewing text – Auto will display Fastext, if available. LIST will store your four favourite pages.

Selecting modes

The text character set will be automatically chosen based on the language setting in the **SET UP** menu.

1. Select **Teletext** from the **FUNCTION** menu.
2. Using ◄ or ► to choose from **Auto**, or **LIST** then press **EXIT**.



Navigating Pages using Auto

If Fastext is available, four coloured titles will appear at the base of the screen.

To access one of the four given subjects, press the relevant coloured button on the remote control.

For further information on your particular text system(s), see the broadcast text index page or, consult your local Toshiba dealer.

Navigating Pages using LIST

If Fastext is available, four coloured titles with numbers 100, 200, 300 and 400 have been programmed into the television's memory.

To view these pages press the relevant coloured buttons.

To change these stored pages press the relevant coloured button and enter a new 3 digit number. This number will change in the top left of the screen and in the coloured highlight. Press **OK** to store. The bars at the bottom of the screen will flash white. Whenever **OK** is pressed all four page numbers showing at the bottom will be stored and the previous ones will be lost.

If **OK** is not pressed the selection will be forgotten when text is cancelled.
Other pages may be viewed by entering the 3 digit page number – but DO NOT press **OK** or these pages will be stored.

Control Buttons

Below is a guide to the functions of the remote control text buttons.

Displays the index/initial page:
Press to access the index/initial page. The page displayed is dependant on the broadcaster.

Reveals concealed text:
To discover the solutions on quiz and joke pages press the button.

Holds a wanted page:
At times it is convenient to hold a page of text. Press and will appear in the top left of the screen. The page will be held on-screen until the button is pressed again.

Enlarges the text display size:
Press once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to normal size.

Selects a page while viewing a normal picture:
Enter the page number then press , a normal picture will be displayed. The television will indicate when the page is present by displaying the page number at the top of the screen.

To display news flashes:
Select the news flash page for the chosen text service (see the index page of your text service).
By pressing , news flashes will be displayed as and when they are broadcast. Press again to cancel the display.

How to change the page:
Press ▲or▼ to change the page.
Press ◄or► to change the sub page when a sub page is available.
The news flash page must be cancelled before changing channels.

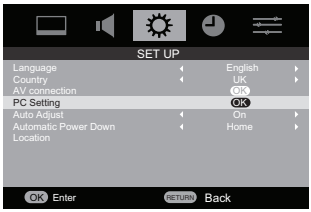
PC Settings

- Most of the picture controls and functions are available. However features not available will be greyed out.
- In the PC input mode, the **Manual Setting** is not displayed.
- First press until the video input mode list appears on the screen, then press ▲ or ▼ and OK in order to select the PC input mode.
- This function may not be available for some signal or if no signal is received.
- The optimum points of the clock phase and sampling clock adjustments may be incomprehensible according to the input signals.

Horizontal and Vertical Position

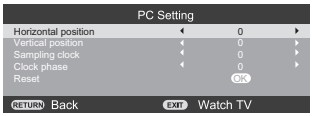
Connect the PC (as shown in the "Connecting a Computer" section) and ensure that a picture is showing on the television screen. The picture position may now be adjusted to suit personal preference.

1. Press **MENU** then press ◄ or ► to display the **SET UP** menu.



2. Press ▲ or ▼ to select **PC Setting**, and then press OK to display the **PC Setting** menu.

3. Press ▲ or ▼ to select an option you want to adjust. Press ◄ or ► to adjust the settings as required.



Sampling Clock

Adjusting the **Sampling clock** alters the number of pulses per scan, this will clear vertical lines on the screen.

1. From the **PC Setting** menu, press ▲ or ▼ to select **Sampling clock**.

2. Press ◄ or ► to optimize the picture.

Clock Phase

The **Clock phase** matches the PC signal with the LCD display.

Adjusting this can clear horizontal stripes and picture blur.

1. From the **PC setting** menu, press ▲ or ▼ to select **Clock phase**.

2. Press ◄ or ► to obtain a clear picture.

Reset

1. From the **PC setting** menu, press ▲ or ▼ to select **Reset**.

2. Press OK.

Note:

When a PC is connected using HDMI none of these functions will be available.

The screen is disrupted momentarily when adjusting PC settings. This is not a sign of malfunction.

The default settings and adjustment ranges may vary depending on the input signal format.

Input Selection and AV Connections

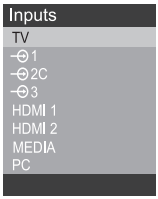
Use the Input Selection feature if the television does not switch over automatically when using an external device.

Input Selection

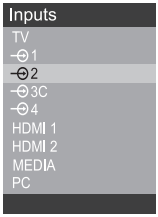
Use the Input Selection window if the television does not switch over automatically.

1. Pressing ⊖, a list will appear on-screen showing all external equipment. Use ▲ or ▼ to highlight and **OK** to select.

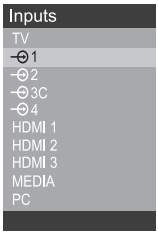
Model 19/22AV70**



Model 26/32AV70**



Model 32/40LV70**



Note:

19/22/26/32AV70** series does not have HDMI 3 Input.

HDMI® displays equipment connected to Input HDMI on the back or side of the television. It is designed for best performance with 1080i (1080P for 32/40LV70**) high definition signals.

Input Signal Selection

You can select source of **AV** or **S-VIDEO** from this function.

From the **Ext1 (Ext2) Input** menu, press ◄ or ► to select **AV** or **S-VIDEO**.

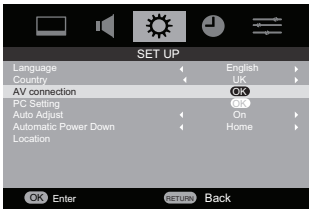
Note:

- Source display will change to ⊖**1S** when select **S-VIDEO**.
- Ext2 Input for Model Model 26AV70**/ 32AV70**/3240LV70**/40LV70**.

HDMI 1 Audio

If the connected HDMI source does not support digital audio, plug the audio cable into **PC/HDMI 1 (AUDIO)** on the back of the television (as shown in the "Connecting an HDMI or DVI device to the HDMI input" section), then use the HDMI 1 Audio setting.

1. Press **MENU** then press ◄ or ► to display the **SET UP** menu.



Press ▲ or

2. ▼ to select **AV connection**, and then PRess Ⓞ to display the **AV connection** menu.

3. Press ◄ or ► to select **Auto**, **Digital** or **Analogue**.

Note:

The Lip Sync function is only available in HDMI mode.

Frequently Asked Questions

Below are the answers to some of the most common queries.
For more information go to **www.toshiba.co.uk**

Q *Why is there no sound or picture?*

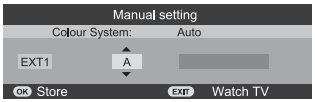
A Check that the television is on and that all connections are made properly.

Q *There is a picture, but why is there little or no colour?*

A When using an **external** source, if there is little or no colour, improvements may sometimes be achieved.
The colour is factory set to **Auto** to automatically display the best colour system.

To manually change the colour system:

1. With the external source playing, select Manual setting from the **SET UP** menu.
2. Using ▲ or ▼ to choose from **Auto**, **NTSC 3.58**, **NTSC 4.43**, **SECAM** or **PAL**.



Q *Why doesn't the video/DVD being played show on-screen?*

A Make sure the VCR or DVD player is connected to the television, then select the correct input by pressing ⊕.

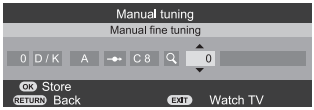
Q *Why is there a good picture but no sound?*

A Check all cable connections and that the volume has not been turned down or that the sound has not been muted.

Q *What else can cause a poor picture?*

A Interference or a weak signal. Try a different television station. Manual fine tuning may help:

1. Select the **Manual tuning** in the **SET UP** menu.
Highlight the station and press **OK**, then press ◄ or ► to select **Manual fine tuning**.



2. Using ▲ or ▼ to adjust to get the best picture and sound. Press **OK** and then **EXIT**.

Q *Why doesn't the remote control work?*

A Check that the batteries aren't dead or inserted incorrectly.

Q *Why are there problems with text?*

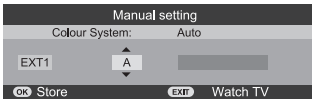
A Good performance of text depends on a strong broadcast signal. If the text is unreadable or garbled, check the aerial, satellite or cable connection. Go to the main index page of the text service and look for the User Guide. This will explain the basic operation of text in some detail.

Q *Why are the four coloured text numbers visible but no text?*

A Text has been selected while viewing an external source. No text will appear on-screen or a box may appear stating no information is available. Select a broadcasting channel and press ⊟ to access.

Q *Why are the colours wrong when an NTSC source is played?*

A Connect the source via a SCART cable and play. Select **Manual setting** from the **SET UP** menu and set the Colour System to Auto.



Q *Why don't the devices connected via HDMI operate properly?*

A Make sure to use cables with the HDMI logo (HDMI®). Some early HDMI equipment may not work properly with the latest HDMI TV products, due to adoption of new standards.

Q *Why is the VCR/DVD picture in black and white?*

A Check the correct input has been chosen: S-VIDEO or AV.

Q *Why did TV turn off by itself?*

A After roughly 15 minutes without any input video signal at TV mode or 4 hours without pressing any keys, the TV will turn off to save power.

Q *Why is the soundtrack in English when a different audio language has been selected?*

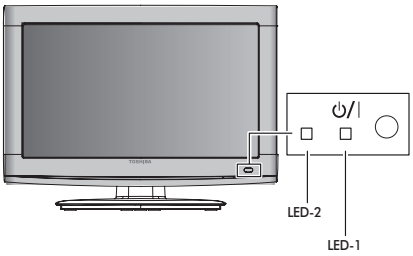
A The programme is currently being broadcast with an English soundtrack only.

Q *Why is a page number visible at the top of the screen but no text?*

A Text has been selected but Teletext information is currently unavailable on the current source.

Q *Why are the LEDs on the front of the television indicate?*

A Check the following table.



LED indication		Condition
LED-2	LED-1	
Green (Solid)	Green (Solid)	Power ON On Timer is set
OFF	Green (Solid)	Power ON On Timer is NOT set
OFF	Red (Solid)	Power OFF (Standby) On Timer is NOT set
Green (Solid)	Red (Solid)	Power OFF (Standby) On Timer is set

Specifications and Accessories

Broadcast Systems/Channels

PAL-I	UHF UK21-UK69
PAL-B/G	UHF E21-E69 VHF E2-E12, S1-S41
SECAM-L	UHF F21-F69 VHF F1-F10, B-Q
SECAM-D/K	UHF R21-R69 VHF R1-R12
Video Input	PAL, SECAM, NTSC 3.58/4.43

External connections

MODELS 19/22

EXT1	Input/Output	21-pin SCART	RGB A/V, S-video
EXT2	Input	Jacks	Y, PB/CB, PR/CR
		Phono Jacks	Audio L + R
EXT3	Input	Jack	Video
		Phono jacks	Audio L + R
HDMI 1/2	Input	HDMI®	
PC/HDMI 1 Audio	Input	Phono Jacks	Audio L + R
PC	Input	D-sub	RGB

MODELS 26/32/40

EXT1	Input	21-pin SCART 1	A/V, RGB
EXT2	Input/Output	21-pin SCART 2	A/V, S-video
EXT3	Input Phono	Jacks	Y, PB/CB, PR/CR
		Phono Jacks	Audio L + R
EXT4	Input Phono	Jacks	Video
		Phono Jacks	Audio L + R
PC	Input	D-Sub	RGB
HDMI 1/2/3	Input	HDMI®	
PC/HDMI 1	Audio	3.5 Mini Jack	Audio L + R

*Note: 19/22/26/32AV70** series does not have HDMI 3 Input.*

Stereo Nicam
2 Carrier System

Visible Screen Size (approx.)

Model	
19	47cm
22	55cm
26	66cm
32	80cm
40	102cm

Display 16:9

Sound Output (At 10% Distortion)

Model	
19	3W + 3W
22	3W + 3W
26	5W + 5W
32	10W + 10W
40	10W + 10W

Power Consumption As specified in EN60107-1: 1997

Model	
19	40W
22	55W
26	80W
32AV70**	100W
32AV70**1	135W
32LV70**	115W
32LV70**1	135W
40LV70**	150W
40LV70**1	200W

Standby (approx.)

Model	
19	0.9W
22	0.9W
26	0.9W
32	0.9W
40	0.9W

Dimensions (approx.)

Model	
19	35.8cm(H)x48.0cm(W)x18.8cm(D)
22	40.0cm(H)x55.5cm(W)x19.5cm(D)
26	47.0cm(H)x66.5cm(W)x19.2cm(D)
32	56.4cm(H)x79.8cm(W)x23.3cm(D)
40	70.6cm(H)x98.9cm(W)x27.6cm(D)

Weight (approx.)

Model	
19	5.5kg
22	6.5kg
26	9.0kg
32AV70**	12.5kg
32AV70**1	10.0kg
32LV70**	12.5kg
32LV70**1	10.0kg
40LV70**	19.0kg
40LV70**1	17.0kg

Headphone Socket 3.5mm Stereo

Operating Conditions
Temperature: 5°C - 35°C (41°F - 94°F)
Humidity: 20% - 80% (non-condensing)

Accessories
Remote Control
2 Batteries (AAA 1.5V)
Power Cord
User Manual

Cleaning the screen and cabinet…

Turn off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you do not use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.

Disposal…

The following information is only for EU-member states:

Disposal of products The crossed out wheeled dust bin symbol indicates that products must be collected and disposed of separately from household waste. Integrated batteries and accumulators can be disposed of with the product. They will be separated at the recycling centres.

The black bar indicates that the product was placed on the market after August 13, 2005. By participating in separate collection of products and batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health.

For more detailed information about the collection and recycling programmes available in your country, please contact your local city office or the shop where you purchased the product.

Disposal of batteries and/or accumulators.

The crossed out wheeled dust bin symbol indicates that batteries and/or accumulators must be collected and disposed of separately from household waste.

If the battery or accumulator contains more than the specified values of lead (Pb), mercury (Hg), and/or cadmium (Cd) defined in the Battery Directive (2006/66/EC), then the chemical symbols for lead (Pb), mercury (Hg) and/or cadmium (Cd) will appear below the crossed out wheeled dust bin symbol.By participating in separate collection of batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health.

For more detailed information about the collection and recycling programmes available in your country, please contact your local city office or the shop where you purchased the product.

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